Marked Up Version of the Specification

Page 14 of specification, 1st full paragraph

1.   Specific methods that may be adapted to generate [ ]weight sets that may be used

as candidate weight sets in the present invention are taught in US patent [application

serial number 08/988,519] 6,154,661 entitled "[RADIO TRANSMISSION FROM A

COMMUNICATION STATION WITH AN ANTENNA ARRAY TO PROVIDE A

DESIRABLE RADIATION PATTERN] TRANSMITTING ON THE DOWNLINK

USING ONE OR MORE WEIGHT VECTORS DETERMINED TO ACHIEVE A

DESIRED RADIATION PATTERN" to Goldburg, and US Patent [application

09/020,619] 6,185,440 entitled "[DOWNLINK BROADCASTING BY SEQUENTIAL

TRANSMISSIONS FROM A COMMUNICATION STATION HAVING AN

ANTENNA ARRAY] METHOD FOR SEQUENTIALLY TRANSMITTING A

DOWNLINK SIGNAL FROM A COMMUNICATION STATION THAT HAS AN

ANTENNA ARRAY TO ACHIEVE AN OMNIDIRECTIONAL RADIATION," to

Barratt, *et al.*. These patent applications are hereby incorporated by reference.

Page 19 of specification, ABSTRACT

The present invention is a method for operating a first base station (BS) [in a cellular

communication system that includes a plurality of BSs] for transmitting information to a

subscriber unit (SU) in a cellular communication system. The information is included in

a downlink signal sent from [the first BS to the SU. The first BS includes an array of

antennae that is used to send the downlink signal to the SU. Each antenna is coupled to]

a signal processing circuit [that generates an antenna signal for that antenna by processing the downlink signal] through an array of antenna. The processing [ ]depends on a weight set that is utilized in generating individual signals to be sent on individual antennae in the array [of antennae] to the SU. The weight set [depends on the location of said SU relative to said array of antennae. The cellular system includes at least one protocol in which the SU generates a report signal indicative of the signal strength detected by the SU when the first BS transmits a pilot downlink signal. The method of the present invention determines the weight set to be used in communicating with the SU] is determined by transmitting a plurality of pilot downlink signals from the BU to the SU, each pilot downlink signal being processed with a different weight set than that used to process the other pilot downlink signals. [The] [r]Report signals are received for each of the pilot downlink signals and are compared to determine which weight set should be utilized.[to communicate in the downlink direction.] The [method of the] present invention [can] may be practiced within existing CDMA cellular standards such as the IS-95 standard.